

Senior Water Resource Engineer

Gomez and Sullivan Engineers, P.C. with offices in Utica and Buffalo, NY as well as Weare, NH has immediate openings for Senior Water Resources Engineers with experience in hydraulics/hydrology and stream restoration for our Utica, NY and/or Weare, NH offices. The ideal candidate will possess a BS (MS preferred) in Civil Engineering, 5 – 15 years experience, and registration as a PE (or ability to obtain) in NY and/or NH. Candidates must have a strong technical background (education or experience) in hydraulics and hydrology, and excellent verbal and written communications skills. Knowledge of GIS, sedimentation, geomorphology, natural channel design, survey and bathymetry, river ice, coastal engineering, and natural sciences is considered a plus.

Experience working with the following software is desirable:

- Hydrologic modeling software including HEC-HMS, HEC-1, TR-55, or similar;
- Hydraulic modeling software including HEC-RAS, HEC-2, MIKE, River2D, RMA2, DAMBRK, FLDWAVE or similar;
- AutoCAD;
- ArcGIS (ArcView/Info);
- Sedimentation and mobile boundary hydraulics modeling software including HEC-6 (HEC-6T), BRI-STARS, G-STARS, or similar;
- Spreadsheet operations modeling and/or HEC-5; and,
- Microsoft Office applications including Word, Excel, PowerPoint, and Access.

This position is being advertised to fill our immediate needs for qualified engineers to conduct digital floodplain mapping, as well as hydraulic and hydrologic modeling for dam rehabilitation or removal and river restoration projects. The appropriate candidate will have an interest in continuing to apply their technical skills and in learning new technical skills to apply to ongoing and upcoming projects.

Responsibilities for this position may include:

- Hydraulic modeling using HEC-RAS (or GeoRAS) for dam break analyses, river restoration and dam removals, as well as the development of digital flood insurance rate maps (DFIRM).
- Hydrologic analyses including flood frequency analysis (Log Pearson Type III), watershed delineations using ArcGIS, and hydrologic modeling of watersheds using HEC-HMS or similar programs.
- Operations modeling and energy analyses for the development, upgrading, or relicensing of hydroelectric projects.
- Developing and/or reviewing construction sequencing, design plans and specifications, and permit applications.
- Leading technical discussions with regulators and clients, as well as public meetings.

- Applying an understanding of the regulatory processes for various projects, including federal, state, and local permitting requirements for projects involving streams, stormwater, dams, hydro plants and wetlands.
- Technical writing for proposals, projects, and journals/conferences, as well as review of technical writing performed by junior engineers.
- Providing technical guidance and mentoring for junior engineers in all phases of their development and project work.

Apply to:

Tom Sullivan, P.E.

Gomez and Sullivan Engineers, P.C.

55 North Stark Highway

Weare, NH 03281

tsullivan@gomezandsullivan.com